

ABSTRACT OF THE DISCLOSURE

The invention discloses a contact sensor having a movably arranged impact detection element spaced away from a stationary housing part; and having a detection system that contains a light source with an emission surface as well as a receiving element, defining a receiving surface, arranged opposite the emission surface of the light source wherein the receiving surface and emission surface are of substantially the same size. Furthermore a a high-precision measurement machine and an apparatus for protecting a protruding component are disclosed.

FIG. 4